

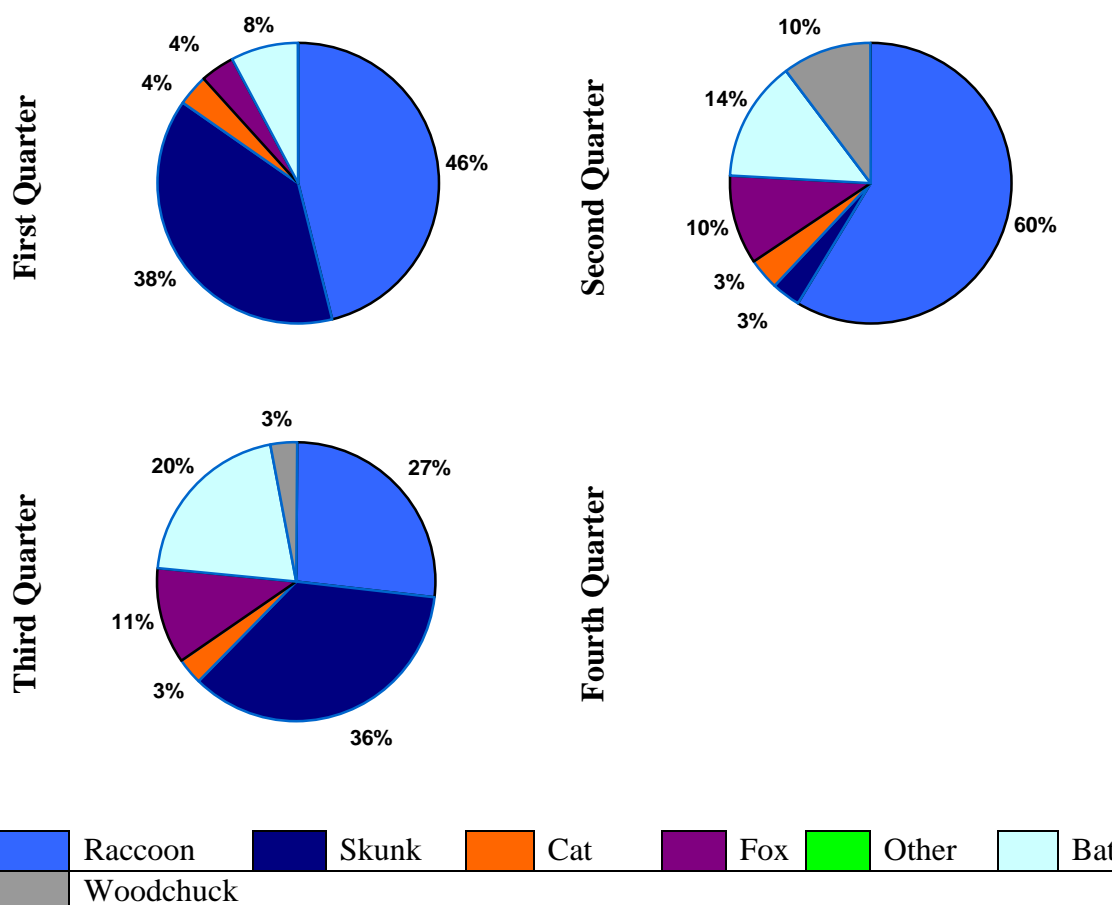
2016 Rabies Quarterly Summary Massachusetts Department of Public Health

The following report summarizes data collected on animal specimens sent to the William A. Hinton State Laboratory Institute (HSLI) for rabies testing from January to September 2016. Cumulative reports summarizing rabies testing from 1992-2002 and annual reports from 2003 to 2015 are available on the MDPH website and can be found through www.mass.gov/dph/rabies

Number of Submissions and Positive Results by Species

Table 1. Number of Animals Positive for Rabies/Animals Submitted (%), 2016						
Animal	1 st Quarter		2 nd Quarter		3 rd Quarter	
Raccoon	12/23	(52.2%)	17/60	(28.3%)	17/39	(43.6%)
Skunk	10/19	(52.6%)	1/23	(4.3%)	23/80	(28.8%)
Cat	1/149	(0.7%)	1/177	(0.6%)	2/224	(0.9%)
Fox	1/5	(20.0%)	3/8	(37.5%)	7/12	(58.3%)
Woodchuck	0/4	(--)	3/36	(--)	2/48	(--)
Bat	2/78	(2.6%)	4/208	(1.9%)	13/485	(2.7%)
Cow	0/1	(--)	0/1	(--)	0/0	(--)
Coyote	0/0	(--)	0/1	(--)	0/1	(--)
Dog	0/104	(--)	0/137	(--)	0/123	(--)
Bobcat	0/0	(--)	0/0	(--)	0/0	(--)
Other	0/17	(--)	0/33	(--)	0/30	(--)
TOTAL	26/400	(6.5%)	29/684	(4.2%)	64/1042	(6.1%)
						119/2126 (5.6%)

Figure 1. Proportion of All Positive Results Represented by Each Species, by Quarter



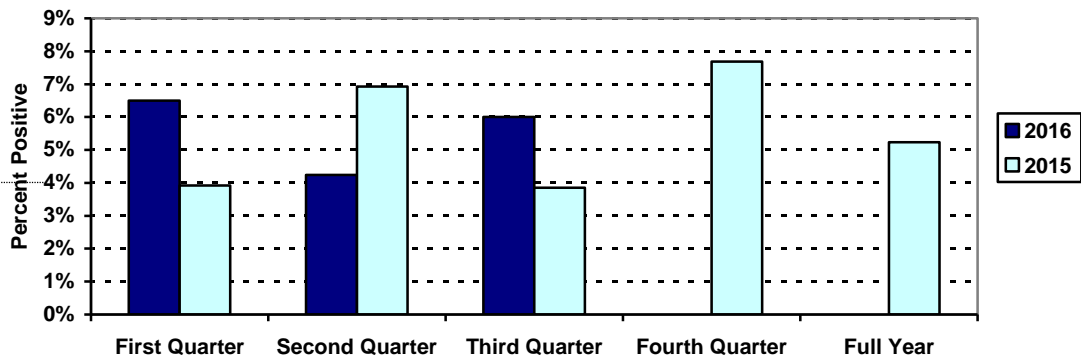
Number of Submissions and Positive and Unsatisfactory* Results by Month

Table 2. Submissions, Number Positive and Unsatisfactory for Rabies, and Percent Positive and Unsatisfactory by Month and Animal Type, 2015 and 2016										
	TERRESTRIAL ANIMALS									
Month	Submitted 2016	Unsatisfactory 2016		Positive 2016		Submitted 2015	Unsatisfactory 2015		Positive 2015	
January	106	1	1%	5	5%	84	3	4%	1	0%
February	99	1	1%	7	7%	97	4	4%	1	1%
March	117	2	2%	12	10%	99	7	7%	4	3%
April	124	1	1%	7	6%	118	12	10%	2	2%
May	151	2	1%	10	7%	131	14	11%	3	2%
June	201	6	3%	8	4%	193	12	6%	10	5%
July	170	11	7%	14	8%	242	12	5%	13	5%
August	207	14	7%	22	11%	165	6	4%	17	10%
September	180	8	4%	15	8%	171	9	5%	10	6%
October						128	4	3%	2	2%
November						109	16	15%	1	1%
December						105	4	4%	2	2%
TOTAL	1355	46	3%	100	7%	1642	103	6%	66	4%

Table 2a. Submissions, Number Positive and Unsatisfactory for Rabies, and Percent Positive and Unsatisfactory by Month and Animal Type, 2015 and 2016										
	BATS									
Month	Submitted 2016	Unsatisfactory 2016		Positive 2016		Submitted 2015	Unsatisfactory 2015		Positive 2015	
January	29	7	24%	1	3%	41	0	0%	0	0%
February	23	3	13%	0	0%	25	5	20%	0	0%
March	26	6	23%	1	4%	37	1	3%	1	3%
April	18	1	6%	0	0%	41	3	7%	1	2%
May	37	4	11%	2	5%	98	15	6%	6	6%
June	153	24	16%	2	1%	140	8	4%	5	4%
July	112	15	13%	3	3%	192	24	13%	4	2%
August	348	42	12%	6	2%	428	49	12%	11	3%
September	25	3	12%	4	16%	23	5	22%	5	22%
October						19	1	5%	3	16%
November						10	2	20%	0	0%
December						19	1	5%	3	16%
TOTAL	771	105	14%	19	3%	1073	114	11%	39	4%

*** An unsatisfactory test result indicates that the specimen was unsuitable for testing. The most common reason for an unsatisfactory result is a specimen that is too decomposed to test.**

Figure 2. Percent Positive of All Submissions by Quarter, by Year



Submissions and Positive Results by County

County	1st Quarter		2 nd Quarter		3 rd Quarter		4 th Quarter	Cumulative
Barnstable	0/7	(0%)	0/28	(0%)	0/40	(0%)		0/75 (0%)
Berkshire	1/11	(9.1%)	4/23	(17.4%)	8/35	(22.9%)		13/69 (18.8%)
Bristol	0/43	(0%)	1/45	(2.2%)	1/77	(1.3%)		2/165 (1.2%)
Dukes	0/1	(0%)	0/1	(0%)	0/3	(0%)		0/5 (0%)
Essex	3/47	(6.4%)	2/84	(2.4%)	4/119	(3.3%)		9/250 (3.6%)
Franklin	0/6	(0%)	0/9	(0%)	7/24	(29.1%)		7/39 (18.0%)
Hampden	7/35	(20.0%)	5/41	(12.2%)	3/56	(5.3%)		15/132 (11.4%)
Hampshire	1/10	(10.0%)	1/23	(4.4%)	2/27	(7.4%)		4/60 (6.6%)
Middlesex	4/78	(5.1%)	5/137	(3.7%)	11/233	(4.7%)		20/448 (4.5%)
Nantucket	0/0	(0%)	0/2	(0%)	0/1	(0%)		0/3 (0%)
Norfolk	4/45	(8.9%)	3/73	(4.1%)	7/123	(5.7%)		14/241 (5.8%)
Plymouth	1/22	(4.6%)	1/48	(2.1%)	4/73	(5.5%)		6/143 (4.2%)
Suffolk	0/32	(0%)	0/63	(0%)	2/71	(2.8%)		2/166 (1.2%)
Worcester	5/63	(7.9%)	7/107	(6.5%)	15/160	(9.4%)		27/330 (8.2%)

Figure 3. Number of Animals Submitted for Rabies Testing by County, 2016

